

**DLA PIPER RUDNICK GRAY CARY US LLP**  
**INTELLECTUAL PROPERTY DEPARTMENT**  
**One Liberty Place**  
**1650 Market Street, Suite 4900**  
**Philadelphia, PA 19103**

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**SEP 01 2005**

**TELEPHONE (215) 656-3300**  
**FACSIMILE (215) 656-2498 OR (215) 656-2499**  
**PROCOMM PLUS (215) 656-2497**

**FACSIMILE TRANSMITTAL**

Attention: Mr. Tony Caputo  
Company: USPTO  
Facsimile No.: 1-571-273-8300  
From: Carol Coney  
Date: September 1, 2005  
Re: Status on Application  
Docket No.: 1105-R-00

Number of Pages (including cover page):

If you do not receive all the pages or experience any difficulty receiving this transmission, please call (215) 656-2412

Additional Instructions/Comments:

As discussed on the phone today, here are the copies you requested. Please let me know

the status of the application.

Thank you.

Direct Dial 215-656-2412 and fax 215-656-2498 or 2499

**BEST AVAILABLE COPY**

U.S. Serial No. 09/852,378 filed 5/10/01 for Michael Lazdunski et al. entitled  
POLYPEPTIDE INHIBITING A PROTON-GATED Na<sup>+</sup> CHANNEL, A NUCLEIC ACID  
CODING FOR SUCH POLYPEPTIDE AND A METHOD OF MANUFACTURING AN  
ASIC1a CHANNEL BLOCKER

Dated: May 22, 2003

Docket: 1105-R-00

Commissioner for Patents

U.S. Serial No. 09/852,378 filed 5/10/01 for Michael Lazdunski et al. entitled  
POLYPEPTIDE INHIBITING A PROTON-GATED Na<sup>+</sup> CHANNEL, A NUCLEIC ACID  
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ASIC1a CHANNEL BLOCKER

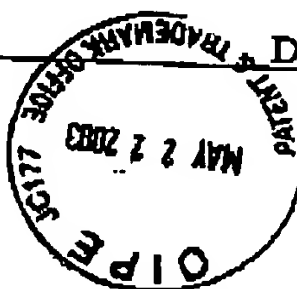
Dated: May 22, 2003

Docket: 1105-R-00

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450



Sir: Kindly date stamp this card and return it to the undersigned to evidence receipt of  
the enclosed Certificate of Mailing, Request To Withdraw Holding Of Abandonment,  
Copy of Communication and postcard dated October 14, 2003. Thank you.

T. Daniel Christenbury

:cc

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**MAY 27 2003**

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SEP. 1. 2005 1:42PM

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NO. 941 P. 3

SEP 01 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Art Unit : 1196  
Examiner : Michael D. Pak  
Serial No. : 09/852,378  
Filed : May 10, 2001  
Inventors : Michael Lazdunski  
: Pierre Escoubas  
: Jan De Weille  
: Sylvie Diochot  
Title : POLYPEPTIDE INHIBITING A  
: PROTON-GATED Na<sup>+</sup> CHANNEL,  
: A NUCLEIC ACID CODING FOR  
: SUCH POLYPEPTIDE AND A METHOD  
: OF MANUFACTURING AN ASIC<sup>1a</sup>  
: CHANNEL BLOCKER



35811

PATENT TRADEMARK OFFICE

Confirmation No.: 5427

Docket No.: 1105-R-00

Dated: May 20, 2003

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Certificate of Mailing Under 37 CFR 1.8

For

Postcard

Request To Withdraw Holding Of Abandonment  
Copy of postcard dated October 14, 2003  
Copy of Communication dated October 14, 2003

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date appearing below.

Name of Applicant, Assignee, Applicant's Attorney  
or Registered Representative:

Piper Rudnick LLP  
Customer No. 035811

By: \_\_\_\_\_

Date: \_\_\_\_\_

*[Signature]*  
20 MAY 2003

**BEST AVAILABLE COPY**

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MANUFACTURING AN ASIC1a CHANNEL BLOCKER

dated: October 14, 2002

Docket: 1105-R-00

Box Sequence Listing  
U.S. Patent and Trademark Office  
P.O. Box 2327  
Arlington, VA 22202



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OCT. 24 2002

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ir: Kindly date stamp this card and return it to the undersigned to evidence receipt of the  
enclosed Certificate of Mailing, Transmittal Letter, Copy of Notice to Comply with  
requirements for Patent Applications, Substitute Sequence Listing, --Computer readable  
copy and a printed copy of the Sequence Listing and Statement to Support Filing and  
submission in accordance with 37 C.F.R. §§ 1.821-1.825. Thank you.

Daniel Christenbury

gj

SEP 01 2005

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Art Unit : 1646  
Examiner : 09/852378 *pf*  
Serial No. : ~~09/825,378~~  
Filed : May 10, 2001  
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: Pierre Escoubas  
: Jan DeWeille  
: Sylvie Diochot  
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: AND A METHOD OF MANUFACTURING  
: AN ASIC1a CHANNEL BLOCKER



22469

PATENT TRADEMARK OFFICE

Docket No.: 1105-R-00

Confirmation No.: 5427

Date: October 14, 2002

Box Sequence Listing  
U. S. Patent and Trademark Office  
P. O. Box 2327  
Arlington, VA 22202

Sir:

Certificate of Mailing Under 37 CFR 1.8

For  
Postcard  
Transmittal Letter

Copy of Notice to Comply with Requirements for Patents ...Sequence Disclosures  
Computer readable copy and a printed copy of Substitute Sequence Listing  
Substitute Statement to Support Filing and Submission in accordance  
with 37 C.F.R. §§ 1.821-8.825

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to the Box Sequence Listing, U. S. Patent and Trademark Office, P. O. Box 2327, Arlington, VA 22202, on the date appearing below.

Name of Applicant, Assignee, Applicant's Attorney  
or Registered Representative:

Schnader Harrison Segal & Lewis  
Customer No. 022469

By: *PS*Date: 14 Oct 2002

910013\_1

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Art Unit : 1646  
Examiner : 09/852378 PP  
Serial No. : 09/825,378  
Filed : May 10, 2001  
Inventors : Michel Lazdunski  
: Pierre Escoubas  
: Jan DeWeille  
: Sylvie Diochot  
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: AND A METHOD OF MANUFACTURING  
: AN ASIC1a CHANNEL BLOCKER



22469

PATENT TRADEMARK OFFICE

Docket No.: 1105-R-00

Confirmation No.: 5427

Dated: October 14, 2002

TRANSMITTAL LETTER

Box Sequence  
U. S. Patent and Trademark Office  
P. O. Box 2327  
Arlington, VA 22202

Sir:

We acknowledge receipt of the Notice to Comply with Requirements for Patent Applications...dated October 2, 2002, copy enclosed. We submit herewith a computer readable copy and a printed copy of the Substitute Sequence Listing and thereby fulfill the requirements of 37 C.F.R. §§ 1.821-1.825. Also enclosed is a Statement to Support Filing and Submission in accordance with 37 C.F.R. §§ 1.821-1.825.

Respectfully submitted,

T. Daniel Christenbury  
Reg. No. 31,750

TDC:gj  
(215) 563-1810

SEP 01 2005

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Art Unit : 1196  
Examiner : Michael D. Pak  
Serial No. : 09/852,378  
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: Sylvie Diochot  
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: SUCH POLYPEPTIDE AND A METHOD  
: OF MANUFACTURING AN ASIC1a  
: CHANNEL BLOCKER



35811

PATENT TRADEMARK OFFICE

Confirmation No.: 5427

Docket No.: 1105-R-00

Dated: May 20, 2003

**REQUEST TO WITHDRAW HOLDING OF ABANDONMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In response to the Notice of Abandonment dated May 5, 2003, enclosed are copies of the Communication and post card dated October 14, 2002 and showing receipt by the mailroom on October 16, 2002 which was the response to the Office Action dated October 2, 2002.

We respectfully request that the Notice of Abandonment be rescinded.

If any fees are required, please charge our Deposit Account No. 50-1442.

Respectfully submitted,

T. Daniel Christenbury  
Reg. No. 31,750  
Attorney for Applicants

TDC:cc  
(215) 656-3300

SEP 01 2005

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Art Unit : 1646  
Examiner : 09/852378/PF  
Serial No. : 09/825,378  
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          : Pierre Escoubas  
          : Jan DeWeille  
          : Sylvie Diochot  
Title : POLYPEPTIDE INHIBITING  
      : A PROTON-GATED Na<sup>+</sup>  
      : CHANNEL, A NUCLEIC ACID  
      : CODING FOR SUCH POLYPEPTIDE  
      : AND A METHOD OF MANUFACTURING  
      : AN ASIC1a CHANNEL BLOCKER



22469

PATENT TRADEMARK OFFICE

Docket No.: 1105-R-00

Confirmation No.: 5427

**STATEMENT TO SUPPORT FILING AND SUBMISSION IN**  
**ACCORDANCE WITH 37 C.F.R. §§1.821-1.825**

**Box Sequence**

U. S. Patent and Trademark Office

P. O. Box 2327

Arlington, VA 22202

Sir:

In connection with the Substitute Sequence Listing submitted concurrently herewith, the undersigned hereby states that:

1. The submission filed in accordance with 37 C.F.R. § 1.821(g), does not include new matter;
2. The content of the attached paper copy and the attached computer readable copy of the Sequence Listing, submitted in accordance with 37 C.F.R. §1.821(c) and (e), respectively, are the same; and
3. All statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further, that these statements

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were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent resulting therefrom.

Respectfully submitted,



T. Daniel Christenbury  
Reg. No. 31,750  
Attorney for Applicant  
Schnader Harrison Segal & Lewis LLP  
1600 Market Street, Suite 3600  
Philadelphia, PA 19103-7213

Date: October 14, 2002  
TDC:gj  
(215) 563-1810

910013\_1

Application No.: 09/852,378

**NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES**

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 C.F.R. 1.821 - 1.825 for the following reason(s):

- ☐ 1. This application clearly fails to comply with the requirements of 37 C.F.R. 1.821-1.825. Applicant's attention is directed to these regulations, published at 1114 OG 29, May 15, 1990 and at 55 FR 18230, May 1, 1990.
- ☐ 2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 C.F.R. 1.821(c).
- ☐ 3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 C.F.R. 1.821(e).
- ☐ 4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. 1.822 and/or 1.823, as indicated on the attached copy of the marked-up "Raw Sequence Listing."
- ☐ 5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A Substitute computer readable form must be submitted as required by 37 C.F.R. 1.825(d).
- ☐ 6. The paper copy of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 C.F.R. 1.821(e).
- ☒ 7. Other: Brief description of drawings for figure 1 discloses sequences which is not identified by SEQ ID NO:.

**Applicant Must Provide:**

- ☒ An initial or substitute computer readable form (CRF) copy of the "Sequence Listing".
- ☒ An initial or substitute paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification.
- ☒ A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 C.F.R. 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d).

For questions regarding compliance to these requirements, please contact:

For Rules Interpretation, call (703) 308-4216

For CRF Submission Help, call (703) 308-4212

For PatentIn software help, call (703) 308-6856

**PLEASE RETURN A COPY OF THIS NOTICE WITH YOUR RESPONSE**

U.S. Serial No. 09/825,378 filed 5/10/01 for Michel Lazdunski et al. entitled POLYPEPTIDE INHIBITING A PROTON-GATED Na<sup>+</sup> CHANNEL, A NUCLEIC ACID CODING FOR SUCH POLYPEPTIDE AND A METHOD OF MANUFACTURING AN ASIC<sup>1</sup>a CHANNEL BLOCKER

Dated: October 14, 2002

Docket: 1105-R-00

**Box Sequence Listing**

U. S. Patent and Trademark Office  
P. O. Box 2327  
Arlington, VA 22202

Sir: Kindly date stamp this card and return it to the undersigned to evidence receipt of the enclosed Certificate of Mailing, Transmittal Letter, Copy of Notice to Comply with Requirements for Patent Applications, Substitute Sequence Listing, --Computer readable copy and a printed copy of the Sequence Listing and Statement to Support Filing and Submission in accordance with 37 C.F.R. §§ 1.821-1.825. Thank you.

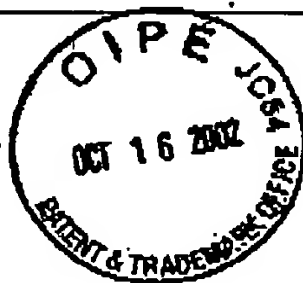
U.S. Serial No. 09/825,378 filed 5/10/01 for Michel Lazdunski et al. entitled POLYPEPTIDE INHIBITING A PROTON-GATED Na<sup>+</sup> CHANNEL, A NUCLEIC ACID CODING FOR SUCH POLYPEPTIDE AND A METHOD OF MANUFACTURING AN ASIC<sup>1</sup>a CHANNEL BLOCKER

Dated: October 14, 2002

Docket: 1105-R-00

**Box Sequence Listing**

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Arlington, VA 22202



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T. Daniel Christenbury

SEP. 1. 2005 1:45PM

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NO. 941

P. 12

SEP 01 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Art Unit : 1646  
Examiner : 09/852378 JF  
Serial No. : 09/825,378  
Filed : May 10, 2001  
Inventors : Michel Lazdunski  
: Pierre Escoubas  
: Jan DeWeille  
: Sylvie Diochot  
Title : POLYPEPTIDE INHIBITING  
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22469

PATENT TRADEMARK OFFICE

Docket No.: 1105-R-00

Confirmation No.: 5427

Date: October 14, 2002

Box Sequence Listing  
U. S. Patent and Trademark Office  
P. O. Box 2327  
Arlington, VA 22202

Sir:

Certificate of Mailing Under 37 CFR 1.8

For

Postcard

Transmittal Letter

Copy of Notice to Comply with Requirements for Patents ... Sequence Disclosures  
Computer readable copy and a printed copy of Substitute Sequence Listing  
Substitute Statement to Support Filing and Submission in accordance  
with 37 C.F.R. §§ 1.821-8.825

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Name of Applicant, Assignee, Applicant's Attorney  
or Registered Representative:

Schnader Harrison Segal & Lewis  
Customer No. 022469

By: RS

Date: 14 Oct 2002

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Art Unit : 1646  
Examiner : 09/852 378 *PF*  
Serial No. : ~~09/825,378~~  
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PATENT TRADEMARK OFFICE

Docket No.: 1105-R-00

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Dated: October 14, 2002

TRANSMITTAL LETTER

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Respectfully submitted,

T. Daniel Christenbury  
Reg. No. 31,750

TDC:gj  
(215) 563-1810

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Art Unit : 1646  
Examiner : 09/852378 /<sup>14</sup>  
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3. All statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further, that these statements

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Reg. No. 31,750  
Attorney for Applicant  
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Date: October 14, 2002  
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910013\_1

Application No.: 09/852,378

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For CRF Submission Help, call (703) 308-4212

For PatentIn software help, call (703) 308-6856

**PLEASE RETURN A COPY OF THIS NOTICE WITH YOUR RESPONSE**



## SEQUENCE LISTING

<110> LAZDUNSKI, MICHEL  
ESCOUBAS, PIERRE  
DE WEILLE, JAN  
DIOCHOT, SYLVIE

<120> POLYPEPTIDE INHIBITING A PROTON-GATED NA + CHANNEL, A  
NUCLEIC ACID CODING FOR SUCH POLYPEPTIDE AND A METHOD  
OF MANUFACTURING AN ASIC1A CHANNEL BLOCKER

<130> 1105-R-00

<140> 09/852,378

<141> 2001-05-10

<150> 60/203,309

<151> 2000-05-10

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<223> Variable amino acid

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Cys Val Pro Lys

35

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<213> Psalmopoeus sp.

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 20 25 30

Thr Phe Ser  
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Asp Gly Ser Val  
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 1 5 10 15

Glu Gly Leu Val Cys Arg Leu Trp Cys Lys Lys Ile Ile  
 20 25

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